

Trade and Industrial Education
Course: Aviation Maintenance II
Course Code # 5704
2 Credits

School Year _____

Term: ___ Fall ___ Spring

Student:	Grade:
Teacher:	School:
Number of Competencies in Course: 31	
Number of Competencies Mastered:	
Percent of Competencies Mastered:	

STANDARD 1.0: Students will demonstrate leadership, citizenship, and teamwork skills required for success in the school, community, and workplace.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
1.1	Lead a team.			
1.2	Participate in SkillsUSA-VICA as an integral part of classroom instruction.			
1.3	Assess client complaint and apply problem-solving and decision-making skills to communicate with the client.			
1.4	Demonstrate teamwork skills.			

STANDARD 2.0: Student will demonstrate aircraft weight and balance skills.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
2.1	Analyze the importance of aircraft weight and balance.			
2.2	Weigh aircraft using proper personal safety procedures.			
2.3	Calculate and record weight and balance information.			

STANDARD 3.0: Students will maintain aircraft fluid lines and fittings.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
3.1	Use appropriate tools for fluid line maintenance.			
3.2	Manufacture and install rigid and flexible fluid lines and fittings.			

STANDARD 4.0: Students will demonstrate aircraft materials and processes skills.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
4.1	Examine various aircraft covering materials, finishes, and wood structures.			
4.2	Perform approved methods and procedures for care of materials, finishes, and wood structures.			

STANDARD 5.0: Students will perform ground operations and cleaning and corrosion control procedures.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
5.1	Perform ground operation and servicing.			
5.2	Demonstrate proper procedures for aircraft cleaning and corrosion control.			

STANDARD 6.0: Students will apply Federal Aviation Regulations that govern certified Aircraft Technicians and use required maintenance forms, records, and relevant publications.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
6.1	Interpret Federal Aviation Administration (FAA) regulations affecting aircraft maintenance technicians.			
6.2	Access and use aircraft manufacturers' publications and complete forms and records.			

STANDARD 7.0: Students will demonstrate communication skills required in the aviation maintenance industry.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
7.1	Interpret Federal Aviation Regulations that typically apply to the aviation maintenance workplace.			
7.2	Solve problems and make decisions using a logical process.			
7.3	Use teamwork skills to accomplish goals, solve problems, and manage conflict within groups.			

STANDARD 8.0: Students will demonstrate interpersonal and employability skills required in the aviation maintenance industry.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
8.1	Infer relationships between honesty, integrity, and organization and personal job success.			
8.2	Demonstrate attitudes conducive to workplace success.			
8.3	Maintain aviation maintenance equipment in a neat and orderly work area.			
8.4	Assess implications of cultural and religious diversity for classroom and workplace relationships.			
8.5	Develop individual and team time management and work sequencing skills to increase productivity.			

STANDARD 9.0: Students will demonstrate aviation technology safety practices, including Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) requirements for an aviation maintenance facility.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
9.1	Determine safe and correct procedures for working with aviation maintenance.			
9.2	Use protective clothing, eye protection, and safety equipment.			
9.3	Use fire protection equipment.			
9.4	Follow OSHA, EPA, FAA regulations and manufacturers specifications aviation maintenance			
9.5	Respond to safety communications referring to aviation maintenance.			
9.6	Pass with 100 % accuracy a written examination relating to safety issues.			
9.7	Pass with 100% accuracy a performance examination relating to safety.			
9.8	Maintain a portfolio record of written safety examinations and equipment examinations for which the student has passed an operational checkout by the instructor.			

Additional Comments _____